

- 1 What is claimed is:
- 2 1. A hybrid interpolation method comprising:
- 3 a simple interpolation algorithm;
- 4 a complex interpolation algorithm that requires a larger number of operations but
- 5 provides a better performance than said simple interpolation algorithm;
- 6 prediction means that predicts an appropriate interpolation algorithm, which provides a
- 7 high quality image with a minimum processing time, for a new pixel to be interpolated;
- 8 and
- 9 performing means that chooses either said simple interpolation or said complex
- 10 interpolation according to said prediction means and performs interpolation for said new
- 11 pixel.
- 12 2. A hybrid interpolation method comprising:
- 13 a plurality of interpolation algorithms that vary in complexity and performance;
- 14 prediction means that predicts an appropriate interpolation algorithm, which provides a
- 15 high quality image with a minimum processing time, for a new pixel to be interpolated;
- 16 and
- 17 performing means that chooses one of said plurality of interpolation algorithms
- 18 according to said prediction means and performs interpolation for said new pixel.
- 19 3. A hybrid interpolation method comprising:
- 20 a plurality of interpolation algorithms that vary in complexity and performance;
- 21 a plurality of prediction means that predict an appropriate interpolation algorithm, which
- 22 provides a high quality image with a minimum processing time, for a new pixel to be
- 23 interpolated; and

1 performing means that chooses one of said plurality of interpolation algorithms
2 according to said plurality of prediction means and performs interpolation for said new
3 pixel.

A handwritten signature in black ink, appearing to read "Chulhee Lee". The signature is fluid and cursive, with "Chulhee" on the left and "Lee" on the right.

4 Chulhee Lee

5 Jan. 30, 2002